WIKA
MOBILECONTROL

Lattice boom crane

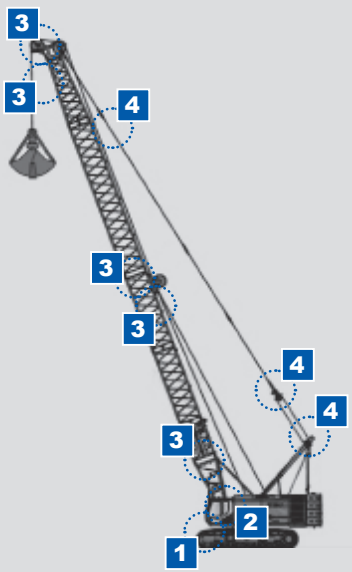
Fixed boom tip, force measurement in the anchoring

Requirements

- Load moment indication
- Single movement cut-offs via digital outputs
- Processing of digital inputs
- EN 13000 Eventrecorder
- Force measurement in the anchoring or measuring axis in the fixed point of the boom hoisting unit
- Main boom
- Fixed fly jib
- Main boom also available with quick-action stroke roller (jib)

Product solution

Hardware	
Controllers	1 iFLEX 5
Consoles	2 iSCOUT IK1379
Sensors	3 gSENS WGC to MB-bottom
	4 fSENS F73x1 in the anchoring of the main boom, or fSENS F53x8 in the fixed point of the boom hoist (depending on machine type)
	4 fSENS F73x1 in the anchoring jib
Software	
Load moment indication	LMI application
	Graphical console application
	EN 13000 Eventrecorder



Features

- Set-up state pre-selection through direct code entry
- LMI operational display with schematic crane configuration
- Output of status information and service screens as a language-neutral table or graphic
- User limits with deactivation of dangerous movements for radius, angle, height, slew angle
- Full integration of set-up and bridging devices according to EN 13000:2010
- Support of the FEM light according to EN 13000:2010
- **Option:** - Additional surveillance of load on the jib in main boom operation mode via direct load measurement
  - Depth measurement for winch free fall
  - List indicating lights for crane mounted on a ship

Overview

		Sennebogen 7700	Sennebogen 620 ...	Linkbelt
Regu-lations	EU	W	W	
	USA	W	W	W
	Russia	W	W	
Requirements Load Moment Indication	Load moment indication	W	W	W
	Single Movement Release / cut-off	W	W	
	General cut-off			W
	Digital Inputs	W	W	W
	Digital Outputs	W	W	W
	Angle sensing at boom bottom	W	W	W
	Angle sensing at boom top	W		
	Load sensing in boom pendant	W	W	[W]
	Load sensing in derricking system	W	W	[W]
	Load sensing in hoist rope (direct)			W
	Load sensing in luffing cylinder			
Requirements Console	Customized fully graphical OM selection (guided menu)			W
	Customized OM Configuration list / Numerical OM selection	W		
	Graphical OM Info screen			W
	Numerical OM selection (OM Code)		W	
	Real crane pictures	W		
	Schematic crane pictures		W	W
Standard functions	Virtual walls			W
	User limits (radius, angle, height, slew angle)	W	W	W
	Telescopic control			
	Sensor adjustment via console (protected)			W
	Status information by symbols	W	W	W
	Status information with additional text	W		
	Extended error messages (multi levels)			
	Servicescreens (multi level with text)	W		
	Servicescreens (tables or graphics)		W	
Special features	Monitoring load on runner in main boom OM	W	W	
	Interpolation of rated loads by main boom angle in luffing jib OM	W		W
	Superlift			
	Monitoring of inclination for ship mounting		W	
	Visualization of inclination by bubble level			
	Free fall function for hoist		W	
	Load on main boom with jib mounted			W
	Communication to crane controller			
	Visualization of status information from crane controller			
	Visualization of motor data (J1939)			
	Outrigger monitoring, display, automatic load chart selection			
	Camera input			
	Reduction of crane movement speed	W	W	
	Context-sensitive on screen information			
	Load spectrum counter, lift counter			
	Operating hours counter			
	On screen configuration for available hoist and OM			

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